

# Opportunities to Integrate Source Water Protection and Security Efforts

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Protection Conference  
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**DRINKING WATER SECURITY**  
*report suspicious activity*



*watch out!*  
*help out!*  
*report it!*

**WE'RE ALL IN THIS TOGETHER**  
**FOR EMERGENCIES :** \_\_\_\_\_  
**FOR MORE INFORMATION :** \_\_\_\_\_

 EPA

# The Presentation

- The Context
- The Incidents
- The Integration
  - Partnerships
  - Emergency Response
  - Targeting
- The Websites
- The End



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# The Context

The latest threat advisories...

“Intelligence... indicates that both the capacity and the desire of Al Qaeda ...to attack US interest here and abroad continues.”

“...There is a high risk of terrorist attacks.”

FBI

# The Context (continued)

The background of the slide is a stylized American flag. It features a blue canton with white stars on the left side and horizontal stripes of red and white on the right side. The text is overlaid on this background.

## **The State of the Union Address**

“Our discoveries in Afganistan confirmed our worst fears... We have found diagrams of American nuclear power plants and public water facilities...”

President George W. Bush

## **A Town in Texas**

“We have poisoned your water system and that’s the end of it.”

An Unnamed Source

# The Incidents

- A major water system, New York
- Glen Rose, Texas
- Easton Reservoir, Connecticut
- Norwich, Hartford, Lyndonville, and  
Gilman, Vermont
- Seylar Elementary School, PA
- North Canton, OH
- London, England
- Volusia, Florida

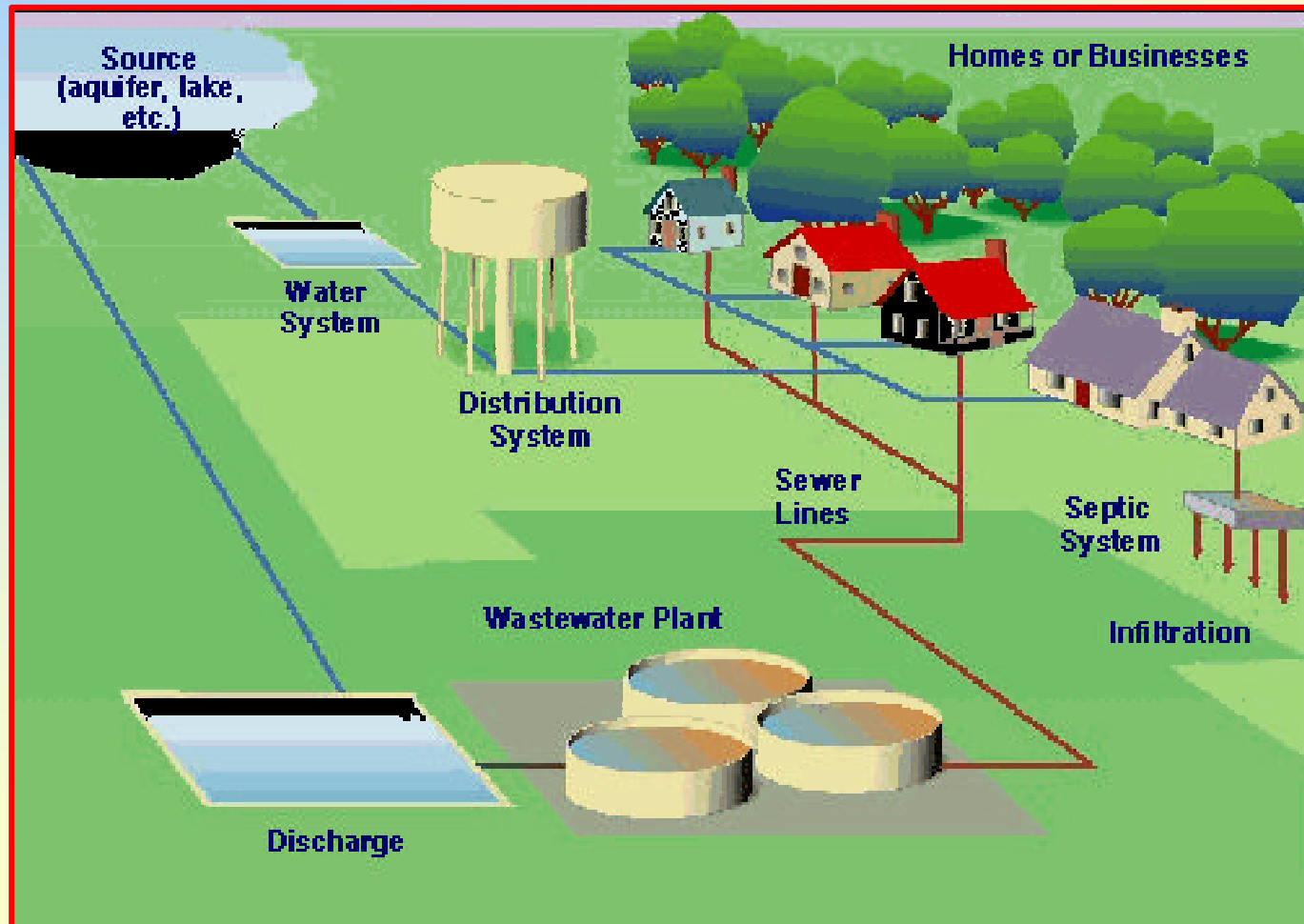


# Why Enhance Security and Plan for Emergencies?

- Because none of us have a crystal ball
- It's our responsibility as public health protectors
- Our citizens depend on us to be prepared
- Because if we don't, who will?
- Not If.....But WHEN.....



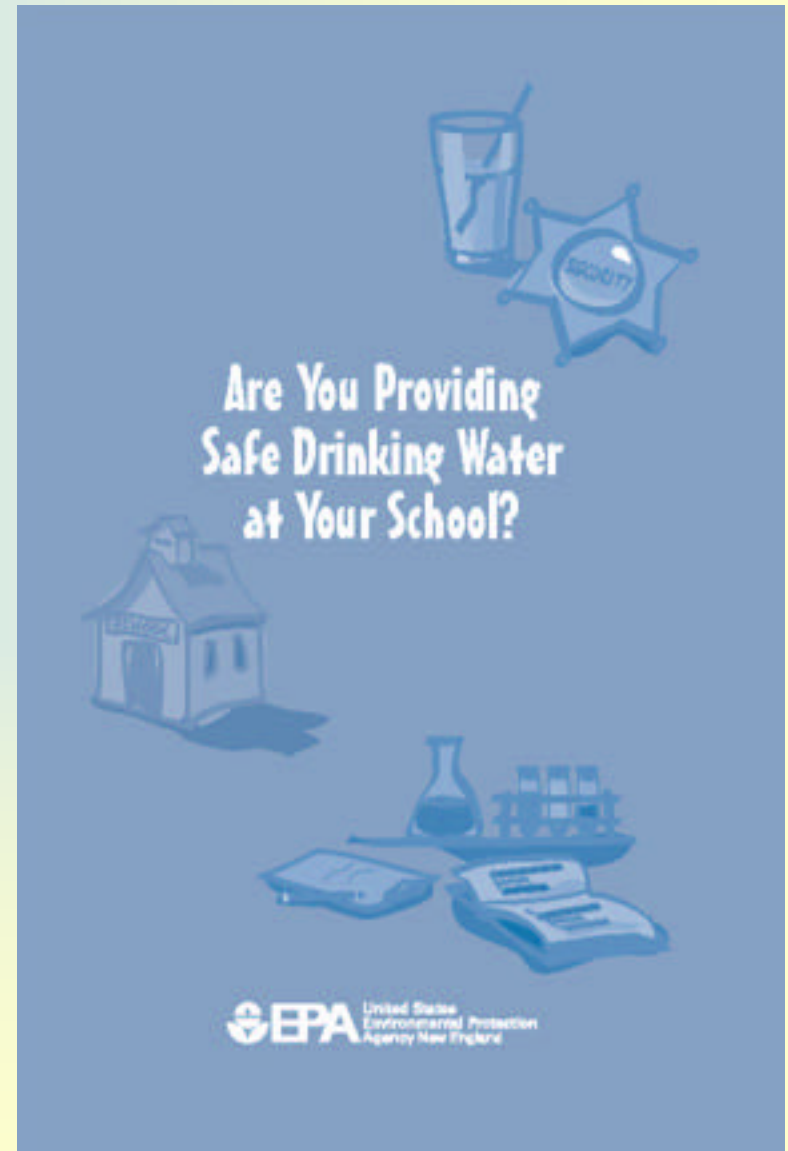
# Integrating Drinking Water Protection and Security





# Integration

- PARTNERSHIPS
  - Schools
    - Tips for Source Water Protection
      - Recommendations to Assess Vulnerabilities and Enhance Security ;
      - Secure Chemicals and Storage Areas;
      - Messages to Students “Tampering is a Federal Offense.”





# Integration/ Partnerships

- Citizens
  - “Water Watchers- A Citizen’s Guide for Water Security”
  - “Protect Your Drinking Water”- Volunteer on Stream Team
  - Be Involved!
  - Be Observant!
  - Be Responsible!

## WATER WATCHERS

*Helping to Protect your  
Local Water System*

*at reservoirs*



*at utilities*



*at water mains*



## WE'RE ALL IN THIS TOGETHER

# Integration/ Partnerships

- Businesses
  - Businesses for Source Water Protection Initiative
    - Best Management Practices for Chemical Storage;
    - Limit and Control Access Points to Water Supplies;
    - Involvement in Local Planning Efforts;



What Role Does Your Business  
Have in Protecting Drinking  
Water Sources?

# Integration/Partnerships

- Law Enforcement
  - Law Enforcement for Safe Drinking Water Initiative
    - Identify Drinking Water Sources
    - Discuss Results of Source Water Assessments
    - Coordinate Emergency Response Plans



# Emergency Response

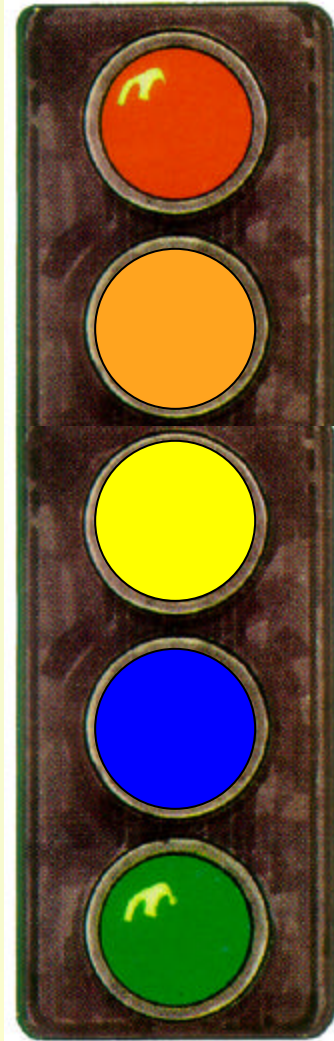
- DW Utilities required to conduct Vulnerability Assessments, and develop Emergency Response Plans which are coordinated with LEPCs;
- Source Water Assessments have been released to public;
- Contingency Planning under the Wellhead Protection Program provides plans for alternate water;





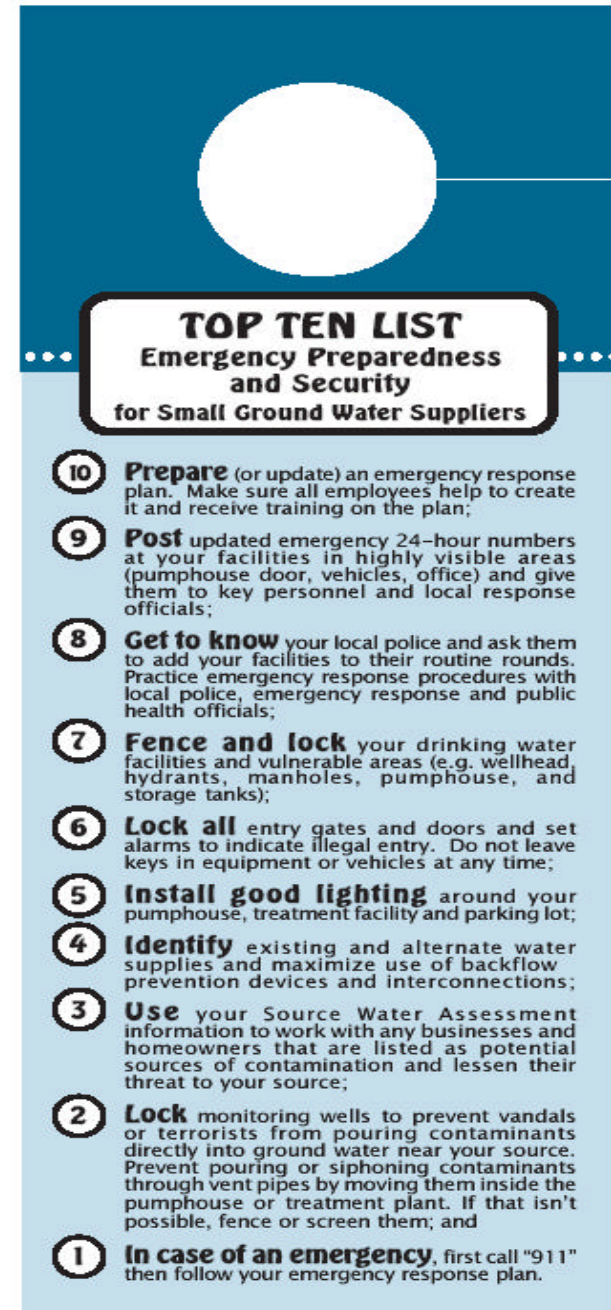
# Integration/Emergency Response

- Consider integrating Contingency Plan requirements into model Utility Emergency Response Plans;
- Strongly encourage community involvement into all emergency plan development and source water protection;



# Integration/Emergency Response

- Develop and distribute a Top Ten List of Water Security recommendations for LEPCs which reference ERPs and SWAs;
- Practice! Practice! Practice! – community-based emergency response exercises can be tied to SWA results;



**TOP TEN LIST**  
**Emergency Preparedness and Security**  
**for Small Ground Water Suppliers**

- 10 Prepare** (or update) an emergency response plan. Make sure all employees help to create it and receive training on the plan;
- 9 Post** updated emergency 24-hour numbers at your facilities in highly visible areas (pumphouse door, vehicles, office) and give them to key personnel and local response officials;
- 8 Get to know** your local police and ask them to add your facilities to their routine rounds. Practice emergency response procedures with local police, emergency response and public health officials;
- 7 Fence and lock** your drinking water facilities and vulnerable areas (e.g. wellhead hydrants, manholes, pumphouse, and storage tanks);
- 6 Lock all** entry gates and doors and set alarms to indicate illegal entry. Do not leave keys in equipment or vehicles at any time;
- 5 Install good lighting** around your pumphouse, treatment facility and parking lot;
- 4 Identify** existing and alternate water supplies and maximize use of backflow prevention devices and interconnections;
- 3 Use** your Source Water Assessment information to work with any businesses and homeowners that are listed as potential sources of contamination and lessen their threat to your source;
- 2 Lock** monitoring wells to prevent vandals or terrorists from pouring contaminants directly into ground water near your source. Prevent pouring or siphoning contaminants through vent pipes by moving them inside the pumphouse or treatment plant. If that isn't possible, fence or screen them; and
- 1 In case of an emergency**, first call "911" then follow your emergency response plan.

# The Websites

**[www.fema.gov/library/terrorf](http://www.fema.gov/library/terrorf)**

**[www.bt.cdc.gov](http://www.bt.cdc.gov)**

**[www.epa.gov/safewater/security.html](http://www.epa.gov/safewater/security.html)**

**[www.epa.gov/ebtpages/ecounterterrorism.html](http://www.epa.gov/ebtpages/ecounterterrorism.html)**

**[www.epa.gov/ceppo/pubs/secale](http://www.epa.gov/ceppo/pubs/secale)**

**[www.epa.gov/region01/eco/drinkwater/dwsecurity.html](http://www.epa.gov/region01/eco/drinkwater/dwsecurity.html)**

**[www.amwa.net/isac/amwacip](http://www.amwa.net/isac/amwacip)**

**[www.awwa.org](http://www.awwa.org)**

**[www.usamriid.army.mil/education/bluebook.html](http://www.usamriid.army.mil/education/bluebook.html)**

**[www.apgea.army.mil](http://www.apgea.army.mil)**

**[www.ojp.usdoj.gov/odp/whatsnew/whats-new.html](http://www.ojp.usdoj.gov/odp/whatsnew/whats-new.html)**







# **Final Thoughts**

**“We come to remember those who were killed, those who survived and those who were changed forever. May all who leave here know the impact of violence.”**